

## Product Information Bulletin

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# System #4 Ammonia Pipe Markers

## High Temp Poly Pipe Markers

### SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER WIDTH	SIZE OF LETTERS
AN4B*	1" - 2-3/8" / 25 - 60mm	8" / 203mm	3/4" / 19mm
AN4E*	2-1/2" - 4-3/4" / 64 - 121mm	12" / 305mm	1-1/4" / 32mm
AN4F*	5" - 7-7/8" / 127 - 200mm	12" / 305mm	1-1/4" / 32mm
AN4H**	Over 8" / 203mm	32" / 813mm	3-1/2" / 89mm

\* Supplied with clear high performance sealing strip.

\*\* Strap on mounting method (S.S. strapping & nylon ties sold separately)

### Compliance

- IIAR Recommended Guidelines Bulletin #114 2014 Revision
- ANSI Z535.1 Safety Color Code
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC).

### Material:

Sizes AN4B, AN4E and AN4F are constructed using a 5 mil polyester with a 1 mil clear polyester overlam. These markers are affixed to themselves with a clear high performance sealing strip.

Size AN4H is supplied as a 2 mil polyester label mounted to a .032 thick high temperature white aluminum carrier. Polyester offers superior chemical and temperature resistance to vinyl markers. Sizes AN4B, AN4E and AN4F offer 360° visibility. Size AN4H is secured to pipes using stainless steel strapping or nylon straps. (S.S. Strapping & nylon straps are sold separately)

### Use:

Identify Ammonia piping systems in environments that are expected to reach higher temperatures or high exposure to chemicals. Each pipe marker contains the refrigerant "AMMONIA", the Specific Pipe Content Abbreviation, Physical State (LIQ, VAP) and Pressure Level (HIGH, LOW). Arrows & legends are printed repeatedly in opposite directions allowing the marker to be applied in any direction achieving proper reading while indicating pipe content flow.

**Surface Preparation:** None

**Outdoor Durability:** 5 to 8 years Mid Continental US

**Abrasion Resistance:** Good

**Water Resistance:** Excellent

**Chemical Resistance:** Excellent

**Service Temp:** -40°F to 248°F (-40°C to 120°C)

**Storage Stability:** Indefinite shelf life at conditions of 70°F (21°C) and 60% RH.



**1 Wrap Around Markers**  
(Styles AN4B, AN4E & AN4F)



**2 Strap On Marker**  
(Style AN4H)

### Ammonia Marker Stock List

Part #	Legend	Abbr.	State	Press.
1	BOOSTER DISCHARGE	BD	VAP	LOW
2	BOOSTER SUCTION	BS	VAP	LOW
3	CONDENSER DRAIN	CD	LIQ	HIGH
4	DEFROST CONDENSATE *	DC	LIQ VAP	HIGH
5	ECONOMIZER SUCTION	ES	VAP	LOW
6	EQUALIZER *	EQ	VAP	HIGH
7	FOUL GAS *	FG	VAP	HIGH
8	HIGH PRESS. LIQUID	HPL	LIQ	HIGH
9	HIGH STAGE DISCHARGE	HSD	VAP	HIGH
10	HIGH STAGE SUCTION	HSS	VAP	LOW
11	HIGH TEMP. RECIRC. LIQUID	HTRL	LIQ	LOW
12	HIGH TEMP. RECIRC. SUCTION	HTRS	LIQ VAP	LOW
13	HIGH TEMP. SUCTION	HTS	VAP	LOW
14	HOT GAS *	HG	VAP	HIGH
15	HOT GAS DEFROST	HGD	VAP	HIGH
16	INTERMEDIATE PRESS. LIQ.	IPL	LIQ	HIGH
17	LIQUID DRAIN *	LD	LIQ	LOW
18	LIQUID INJECTION COOL	LIC	LIQ	HIGH
19	LIQUID TRANSFER *	LT	LIQ	LOW
20	LOW STAGE DISCHARGE *	LSD	VAP	LOW
21	LOW STAGE SUCTION	LSS	VAP	LOW
22	LOW TEMP. LIQUID	LTL	LIQ	LOW
23	LOW TEMP. RECIRC. LIQUID	LTRL	LIQ	LOW
24	LOW TEMP. RECIRC. SUCTION	LTRS	LIQ VAP	LOW
25	LOW TEMP. SUCTION	LTS	VAP	LOW
26	MED. TEMP. RECIRC. LIQUID	MTRL	LIQ	LOW
27	MED. TEMP. RECIRC. SUCTION	MTRS	LIQ VAP	LOW
28	MED. TEMP. SUCTION	MTS	VAP	LOW
29	OIL DRAIN	OD	---	---
30	PUMP OUT	PO	LIQ VAP	LOW
31	PURGE *	PRG	VAP	HIGH
32	RELIEF VENT	RV	VAP	HIGH
33	RELIEF VENT *	RV	---	---
34	SUB-COOLED LIQUID	SCL	LIQ	HIGH
35	THERMOSYPHON RETURN	TSR	LIQ VAP	HIGH
36	THERMOSYPHON SUPPLY	TSS	LIQ	HIGH
37	THERMOSYPHON VENT	TSV	VAP	HIGH

\* These Piping Descriptions Are NOT Included in IIAR Bulletin #114

DATE: \_\_\_ / \_\_\_ / \_\_\_

JOB: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_